



IPW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/648,687
		Filing Date	08/25/2003
		First Named Inventor	Robert Sigurd Nelson
		Art Unit	2878
		Examiner Name	Christine Sung
Total Number of Pages in This Submission	12	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Remarks <p><i>Cover letter = 1 page</i> <i>Response to Examiner = 11 pages</i></p>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature	<i>Robert Sigurd Nelson</i>		
Printed name	<i>Robert Sigurd Nelson</i>		
Date	12-16-2005	Reg. No.	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Robert Sigurd Nelson</i>		
Typed or printed name	<i>Robert Sigurd Nelson</i>	Date	12-16-2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

File the Application of:

NELSON, ROBERT S. et al.

Application No.: 10/648,687

Submitted: 8-25-2003

Title: DEVICE AND SYSTEM FOR EHANCED SPECT, PET, AND
COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 16, 2005

Dear Sirs,

Please find enclosed an 11 page document in response to the Office Action of November 30, 2005 (Examiner Christine Sung, Art Unit 2878). The title of the application is:

"DEVICE AND SYSTEM FOR EHANCED SPECT, PET, AND COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE".

Application No. 10/648,687 (filed 8-25-2003).
Inventors are 1. Robert Sigurd Nelson and 2. William Bert Nelson.

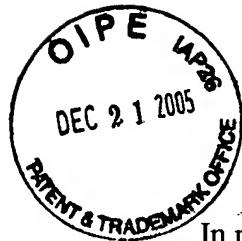
If there are any questions I can be contacted by
email (rnelson@mail.sdsu.edu) or by phone (619-594-1013).

Sincerely,

Robert Sigurd Nelson
Robert Sigurd Nelson

12-16-2005
Date

Robert S. Nelson
2922 Upshur Street
San Diego, California 92106



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Appl. No. : 10/648,687
Applicants : Robert Sigurd Nelson, William Bert Nelson
Filing Date : August 25, 2003
Examiner : Christine Sung (571-272-2448)
Art Unit : 2878
Title : DEVICE AND SYSTEM FOR ENHANCED SPECT, PET, AND COMPTON SCATTER IMAGING IN NUCLEAR MEDICINE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 16, 2005

Dear Ms. Sung:

In response to the Office Action dated November 30, 2005 for application 10/648,687 please find enclosed a revised set of remarks that address the objections to our prior response (September 7, 2005) to the Office Action dated August 10, 2005.

REMARKS

The following remarks address the Examiner's objections regarding claims 1-23:

1. Response to item 1, Examiner's objection to the claim 9 limitation "the detector layers" in lines 1-2. Examiner states that there is insufficient antecedent for this limitation in the claim. Applicants note that this term "detector layers" is used within the pending patent application to refer to detectors within a "stack", that is, detectors that are stacked on top of other detectors as seen by the incident radiation (p. 36, lines 19-22 and p. 37, lines 1-2; p. 47, lines 2-14). Figure 2 of Disclosure document 513200 (6-12-2002) shows a stack of two detectors.
2. Response to item 3, Examiner's objections to claims 1 as being anticipated by El Hanany, et al. (US Pre-grant publication 20030010924 A1). Regarding claim 1, examiner states that El Hanany discloses an enhanced Compton gamma camera used in nuclear medicine (claim 10) comprising a plurality of detector modules (claim 11) wherein each module includes: at least one edge-on radiation detector (Figure 3A); a communication link (elements 114, 118, and 124) for transferring data between the module and a computer system. Applicants note that El Hanany's claims 10,11 refer to "two detector assemblies" required for PET coincidence